

Title (en)

DISPLAY PANEL AND DISPLAY APPARATUS

Title (de)

ANZEIGETAFEL UND ANZEIGEVORRICHTUNG

Title (fr)

PANNEAU D'AFFICHAGE ET APPAREIL D'AFFICHAGE

Publication

EP 4280199 A1 20231122 (EN)

Application

EP 21955477 A 20210902

Priority

CN 2021116134 W 20210902

Abstract (en)

Provided are a display panel and a display apparatus. The display panel includes a pixel definition layer on a first base substrate and including a plurality of barriers including a plurality of first barriers and a plurality of second barriers, the plurality of first barriers and the plurality of second barriers defining a plurality of first accommodating portions; a plurality of light emitting devices arranged in the plurality of first accommodating portions in a one-to-one correspondence; a first encapsulation layer covering the pixel definition layer and the plurality of light emitting devices; a color conversion layer on a side of the first encapsulation layer away from the first base substrate, and including a plurality of light emergent portions; and a first light shielding pattern between the first encapsulation layer and the color conversion layer and including a plurality of first light shielding strips extending in a first direction and a plurality of second light shielding strips extending in a second direction. An orthographic projection of the plurality of first light shielding strips on the first base substrate overlaps with an orthographic projection of the plurality of first barriers on the first base substrate, and an orthographic projection of the plurality of second light shielding strips on the first base substrate overlaps with an orthographic projection of the plurality of second barriers on the first base substrate.

IPC 8 full level

G09F 9/33 (2006.01); **G02F 1/1335** (2006.01)

CPC (source: EP US)

H10K 59/122 (2023.02 - EP US); **H10K 59/38** (2023.02 - EP); **H10K 59/873** (2023.02 - US); **H10K 59/8792** (2023.02 - EP US); **H10K 59/38** (2023.02 - US); **H10K 2102/351** (2023.02 - EP)

Designated contracting state (EPC)

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Designated extension state (EPC)

BA ME

Designated validation state (EPC)

KH MA MD TN

DOCDB simple family (publication)

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